

AIM Ann Report
1904 to 1905

Auckland Institute
and Museum.

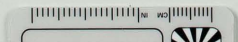
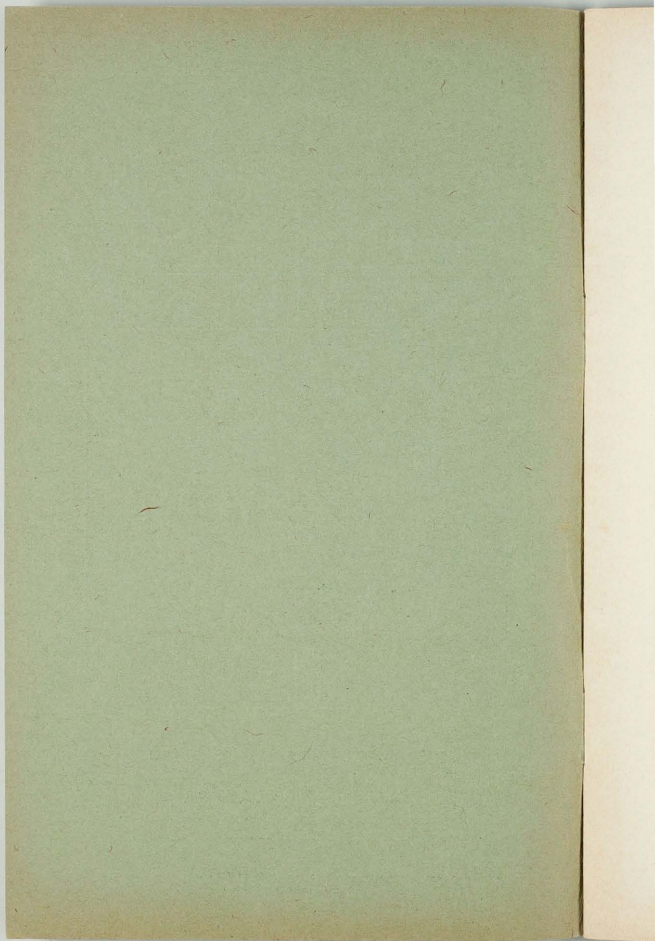
Annual Report

for 1904-5.

Adopted at the Annual Meeting,
held February 27, 1905.

21834—HOKIOTI, AUCKLAND

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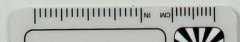
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OFFICERS
OF THE
AUCKLAND INSTITUTE.

President :

PROF. A. P. W. THOMAS, F.L.S.

Vice-Presidents :

E. ROBERTON, Esq., M.D.

J. STEWART, Esq., M.I.C.E.

Council :

BAGNALL, L. J., Esq.

MILLER, E. V., Esq.

BROWN, PROF. F. D.

PEACOCK, T., Esq.

HAINES, H., Esq., F.R.C.S.

PETRIE, D., Esq.

HOWELL, J. H., Esq., B.Sc.

REID, J., Esq.

KIRKER, J., Esq.

SEGAR, PROF. H. W.

UPTON, J. H., Esq.

Trustees :

BROWN, PROF. F. D.

PEACOCK, T., Esq.

UPTON, J. H., Esq.

Secretary and Curator :

T. F. CHEESEMAN, F.L.S., F.Z.S.

Auditor :

W. GORRIE, Esq.

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The following

Periodicals and Publications of Societies

Are subscribed to by the Institute:—

NATURE

THE PHILOSOPHICAL MAGAZINE

THE AMERICAN JOURNAL OF SCIENCE

THE ELECTRICIAN

THE PHYSICAL REVIEW

ZEITSCHRIFT FÜR PHYSIKALISCHE CHEMIE

ANNALEN DER PHYSIK

COMPTES RENDUS DES SEANCES DE L'ACADEMIE DES SCIENCES

ANNALS AND MAGAZINE OF NATURAL HISTORY

QUARTERLY JOURNAL OF MICROSCOPICAL SCIENCE

ANNALS OF BOTANY

THE BOTANICAL GAZETTE

ENGLER'S BOTANICAL YEAR BOOK

THE GARDENER'S CHRONICLE

THE GEOLOGICAL MAGAZINE

ZEITSCHRIFT DER DEUTSCHEN GEOLOGISCHEN GESELLSCHAFT

THE ECONOMIC JOURNAL

THE LANCET

TRANSACTIONS AND PROCEEDINGS OF THE ROYAL SOCIETY

TRANSACTIONS AND PROCEEDINGS OF THE ZOOLOGICAL SOCIETY

THE ZOOLOGICAL RECORD

PUBLICATIONS OF THE RAY SOCIETY

JOURNAL OF THE CHEMICAL SOCIETY

QUARTERLY JOURNAL OF THE GEOLOGICAL SOCIETY

JOURNAL OF THE ROYAL AGRICULTURAL SOCIETY

THE GEOGRAPHICAL JOURNAL

REPORT OF THE BRITISH ASSOCIATION

REPORT OF THE COUNCIL.

As provided for by the rules, the Council have now to submit to the members their Thirty-seventh Annual Report on the financial and general condition of the Institute, and its progress during the past year.

Members.—The number of members on the roll at the present time is 160, of which nine are life members and 151 annual subscribers. Six new members have been elected during the year—a number much below the average—and 11 names have been withdrawn: three from death, four from resignation, and four from non-payment of subscription for more than two consecutive years. The members removed by death are Mr. T. Russell, through whose liberality the Museum was enriched by the fine collection of plaster casts from the antique exhibited in the Statue Hall, and who has also freely contributed to other departments of the Museum; Dr. W. H. Goldie, whose premature death while engaged in the preparation of several anthropological memoirs intended for presentation to the Institute, is much to be deplored; and Mr. W. H. Tucker.

Some years ago, the Council expressed their regret that the number of new members elected did not keep pace with the steady improvement in the prosperity of the city, and its rapidly-increasing population, and the hope was indulged that those members of the community in a position to afford it would become regular subscribers. The Council are sorry to state that this appeal has had little effect, and they would take this opportunity of renewing it. They would point out that the chief aim of the Institute—the maintenance of a free public Museum for the instruction and entertainment of the people of Auckland—is one which appeals to the sympathies of all classes, and should command a liberal amount of support. Much might be done if the existing members would bring the objects of the Institute under the notice of their friends and the public generally.

Finance.—In the subjoined balance-sheets the financial position of the Institute is stated in detail, but it is well to give a few explanatory remarks here. The total revenue of the General Account, excluding the balance of £123 9s. 3d. in hand at the commencement of the year, has been £2108 2s. 1d.

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In comparing this amount with that received during the previous year, it is necessary to bear in mind that it includes the two exceptional items of £1,000, being the Government grant for the erection of the new Hall, and £150, received on account of the Mackechnie bequest for the purchase of groups of large animals. Deducting these two sums, the ordinary revenue is seen to have been £958 2s 1d, showing an increase of £85 3s. 6d. on the receipts for 1903-1904. Of the separate items, the largest is the interest derived from the invested funds of the Costley bequest, amounting to £371 19s. Last year the receipts under this head were £357 10s. The Museum Endowment, in rents and interest, has yielded £340 5s. 10d., a sum almost precisely equal to that of the previous year. The members' subscriptions show a slight decrease, although not one of any great moment. The remaining items call for no special remark. The total expenditure has amounted to £2,231 11s. 4d. It includes several items of an exceptional nature, the largest being the cost of the new Hall, amounting to £1,082 2s. 3d., a sum considerably in excess of the Government grant. A payment of £147 7s. 3d. has been made in connection with the groups of large animals being prepared for the Museum, while the erection of the Maori house, presently to be referred to, has drawn largely on the funds of the Institute. It has also been necessary to incur a considerable expenditure in repairs to the caretaker's house, and in alterations to the windows at the eastern end of the main Hall. Adding all these payments to the ordinary expenditure required for the maintenance of the Institution, the year's operations show a debit balance of £29 7s. 6d. There is no change of importance with respect to the invested funds of the Institute, the total amount of which is £16,263 12s. 5d., showing an increase of £36 9s. 3d. during the year.

Meetings.—Seven meetings have been held during the year, at which the following papers were read and discussed:—

1. Introductory Address: The Present Position of the Evolution Theory: By the President, PROF. A. P. W. THOMAS, F.L.S.
2. The Balance of Trade: By PROF. H. W. SEGAR.
3. The Pollination of *Rhabdotheramnus*: By D. PETRIE.
4. The Present Position of the Evolution Theory (Part II.): By PROF. A. P. W. THOMAS, F.L.S.
5. Progress in the Prevention of Disease: By J. P. FRENGLEY, M.D.

6. Modern Views on the Conduction of Electricity: By E. V. MILLER.
7. Notice of the Occurrence of the New Zealand Hawk on the Cook Islands: By R. GOSSETT.
8. A Rare Saurian: By ARCHD. WALSH.
9. A Flash of Lightning: By ARCHD. WALSH.
10. Federation Through Free Trade: By S. GRAY.
11. Mist: By PROF. F. D. BROWN.
12. Ancient Polynesian Migrations: By ELSDON BEST.
13. Notes on Fruit-flies: By CAPT. T. BROWN.
14. New Species of Marine Shells: By REV. W. WEBSTER.

Most of the above papers have been forwarded to Wellington for insertion in the next volume of "Transactions." Volume 36 of the "Transactions," containing the papers read before the various affiliated Societies during the session for 1903, has been received and distributed among the members.

Museum.—The hours of admission to the Museum have been the same as for many years past—from 10 a.m. to 5 p.m. on week-days, and from 2 to 5 p.m. on Sundays. The register kept by the janitor shows that the total number of visitors on Sundays has been 13,716, or an average of 263 for each Sunday. The greatest attendance was 474 on February 12; the smallest, 91, on July 31. For the six principal holidays of the year—New Year's Day, January 2, Good Friday, Easter Monday, King's Birthday, and Boxing Day—the total attendance was 1,869, being an average of 313 for each day. On week-days the visitors can only be occasionally counted, and the attendance varies so much, according to weather and other circumstances, that it is not easy to form a reliable estimate, but the average daily attendance cannot be far from 100. This would make a total of 30,700, or of 46,285 for the whole year. Last year the estimated number was 45,360.

In the report for the previous year it was stated that a vote of £1,000 had been granted by Parliament as a pound for pound subsidy equivalent to the amount subscribed by the citizens of Auckland for the purchase of the Mair collection of Maori antiquities, and that it was intended to expend the sum in the erection of an addition to the Maori Hall. In compliance with this, a hall 50 feet square has been erected in the space between the Statue Hall and the Main Hall. One-half has been reserved for the Maori carved house Rangitahi, which is now being erected in it; the other half will form an exhibition gallery for foreign anthropological specimens. In structural details the new building agrees with the

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Maori Hall, the walls and floor being of brick or concrete, and the roof of iron and glass. Provision has been made under the floor level for a large basement room, the floor of which will be put in when funds are available. The total cost of the building, including architect's fees and all other expenses, has been £1082 2s. 3d., the surplus over the Government grant having been provided for out of the ordinary revenue of the Institute.

The Council trust that the present year will see the completion of a new and important exhibit, in the shape of the Maori house Rangitihi, the carvings of which have been in their possession for several years past. A start was made with its erection immediately after the completion of the new hall, and the elaborately-carved side-posts are now all in position. The ridge-post, together with the central post, or poutokomanawa, has been set up, and the rafters are now being prepared. Arrangements are being made for obtaining the large supply of kakaho, or reeds, which will be required for the roof and verandah of the house. The huge gable-boards, or maihis, which were unfortunately wanting when the house was purchased, have been carved at Rotorua by an experienced Maori carver, after old designs, the work being superintended by Mr. C. E. Nelson, whose intimate knowledge of Maori handicraft is a guarantee that it has been well executed. The construction of the new hall has necessitated the removal of a large portion of the show-cases on the east side of the Maori Hall, and has led to an entire rearrangement of its contents. This has occupied a considerable amount of time, and some minor details in connection with it still remain to be completed. In order to provide for the better arrangement and display of the Maori collections it has been found necessary to remove almost the whole of the foreign anthropological collections; but, as already mentioned, these will be ultimately exhibited in one of the divisions of the new hall.

Members are aware that the late Mrs. Mackechnie bequeathed a sum of £500 to be expended, at the discretion of her executor, in suitable additions to the Museum. This gentleman decided that the bequest should be devoted to the purchase of stuffed groups of the larger animals, set up in the best style of taxidermy, and protected by plate-glass cases. The first of these groups, consisting of a male and female lion and four cubs, has been received during the year, and has been placed in the main hall, to which it forms a great attraction. A companion group, comprising a male and female tiger and a leopard, is now on its way from England, and may be expected at any time. A third group is being

arranged for, and the funds will probably be sufficient to obtain a fourth. It is hardly necessary to say that the bequest will provide a most attractive series of additions to the Museum, and will greatly enhance the appearance of the main hall.

Library.—In last year's Report it was stated that the Mackechnie bequest of £2,000 had been received and invested, and that in future an annual income of about £100 would be available for the purchase of books. The Council have consequently been able to order two consignments from their London agents. The first of these arrived some months ago, and a list of the books will be found appended to the report; the second is now on its way from England. Funds will shortly be available for another shipment; in fact, the regular purchases which can now be made will enable the Council to extend the Library in a manner which could not be attempted out of the ordinary revenue of the Society. The list of scientific periodicals and magazines subscribed to by the Institute has been revised by the Library Committee, who have removed several that were apparently not much in demand, and have added a considerable number, including some of the more important foreign periodicals. The revised list will be found on another page. The usual exchanges and presentations from foreign institutions have been received, together with some donations from private individuals.

With the quicker growth of the Library the question of additional accommodation will soon require consideration. The existing wall space is now nearly all occupied, and although the capacity of the room could be doubled by introducing transverse presses, it is obvious that their presence would at once prevent the use of the room for the meetings of the Institute. Possibly some inexpensive alterations to the Statue Hall might so improve its acoustic properties as to make it suitable for a lecture-room; if so, the present Library might easily be arranged so as to provide accommodation for many years to come, and at the same time be much more conveniently fitted up for the use of readers.

Little Barrier Island.—The Council have to report that the connection of the Institute with the maintenance of the Little Barrier Island as a sanctuary for the preservation of the avifauna of New Zealand, which has existed since the beginning of 1897, is now about to close, the Government having intimated that the Tourist Department will assume direct control at the end of the financial year on March 31. The present time seems opportune for pointing out that the first suggestion to constitute the island a reserve was made by

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the Institute as far back as 1886; that its acquisition by purchase was energetically pressed upon the notice of the Government until it was carried into effect in 1895; that attention was then called to the unguarded state of the island and the frequent depredations made upon it by unscrupulous collectors; so that eventually the Institute was asked to undertake its management, an annual grant of £200 being guaranteed to cover the salary of a resident curator and other necessary expenses. The Council claim that during the eight years the island has been in their charge, the visits of collectors have been effectually stopped, and that no unauthorised persons have been allowed to land; that the stock left upon the island by the Maori owners has been removed, and that their visits have consequently ceased; and that wild cats and other vermin have been shot or otherwise destroyed. The result of these measures is seen in the fact that birds of all kinds are much more numerous than when the island was first acquired, and are more generally distributed, even breeding in large numbers on the flat close to the curator's house. The Council much regret the change, and would point out that in removing the management of the island from the Institute, the Government are losing the services of a local body whose sympathies and inclinations are all on the side of the preservation of the fauna of New Zealand, and who can command the expert knowledge that is required; whereas it cannot be said that the Tourist Department possesses any special qualifications for the work. No intimation has been given as to the manner in which the island is to be administered in the future, beyond a statement to the effect that a resident curator will be maintained. It is to be hoped that no attempt will be made to make it a tourist resort, or in any way to encourage a large number of visitors. Such a course would be productive of much harm, and would eventually defeat the objects for which the island was reserved.

In concluding the report, the Council wish to convey the thanks of the Institute to the numerous donors to the Museum and Library whose names are given in the appended lists. They also trust that the members and the public generally will give that active support and encouragement which is due to an institution whose aim is to secure the advancement of knowledge, and the diffusion of scientific and practical information.

The Treasurer in Account with the Auckland Institute and Museum Trust Board.

FEBRUARY 24, 1904. TO FEBRUARY 23, 1905.

Working Account.

	£	s.	d.
Balance in the Bank of New Zealand, February 24, 1904	123	9	3
Subscriptions	117	12	0
Interest from Costley Bequest	371	19	0
Rents and Interest transferred from Museum Endowment Account	340	5	10
Interest transferred from Mackechnie Library Bequest Account	85	0	0
Received on Account of Mackechnie Bequest for Purchase of Groups of Large Animals	150	0	0
Government Grant for Erection of New Hall	1,000	0	0
Interest on Nathan Bequest	5	0	0
Interest on Life Subscription Account	8	14	6
Miscellaneous Receipts	0	3	3
Balance due Bank of New Zealand, February 23, 1905	29	7	6
	£2,231	11	4

	£	s.	d.
Books, Periodicals, Binding	130	6	5
Additions to Museum	28	13	0
Museum Requisites	20	13	11
Salaries	411	2	10
Printing, Advertising, Insurance, Gas, Stationery, Postages, and other Expenses	130	19	0
Paid on Account of Groups of Large Mammals	147	7	3
Cost of New Hall	1,082	2	3
Paid on Account of Maori House	68	12	6
Show-cases, Gas-fittings, etc.	49	19	1
Alterations to Windows, Repairs to Roofs, etc.	73	0	1
Repairs to Caretaker's House	45	0	0
Architect's Commission	6	9	0
Land Tax	35	9	5
Miscellaneous Payments	1	16	7
	£2,231	11	4

Examined and found correct,

W. GORRIE,

February 24, 1905.

Auditor.

T. F. CHEESEMAM,

Treasurer.

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The Treasurer in Account with the Auckland Institute and Museum Trust Board.

FEBRUARY 24, 1904, TO FEBRUARY 23, 1905.

Museum Endowment Account.

	£	s.	d.		£	s.	d.
Balance in Bank of New Zealand, February 24, 1904	1	13	10	Transferred to Working Account	340	5	10
Sales of Endowments	59	10	9	Transferred to Investment Account	60	0	0
Rents of Endowments	109	10	8	Miscellaneous Payments	0	11	6
Interest on Investments	232	6	8	Balance in Bank of New Zealand, February 23, 1905	2	4	7
	£403	1	11		£403	1	11

Mackechnie Library Bequest Account.

	£	s.	d.		£	s.	d.
Balance in Bank of New Zealand, February 24, 1904	14	0	0	Transferred to Working Account for Purchase of Books	85	0	0
Interest on Investments	107	15	0	Bank Charges	0	10	0
	£121	15	0	Balance in Bank of New Zealand, February 23, 1905	36	5	0
	£121	15	0		£121	15	0

Examined and found correct,

February 24, 1905.

W. GORRIE,
Auditor.

T. F. CHEESEMAN,
Treasurer.

The Treasurer in Account with the Auckland Institute and Museum Trust Board.

FEBRUARY 24, 1904, TO FEBRUARY 23, 1905.

Little Barrier Account.

	£	s.	d.		£	s.	d.
Balance in Bank of New Zealand, February 24, 1904	15	0	7	Salary of Curator	150	0	0
Government Grant	200	0	0	Miscellaneous Payments	45	9	8
				Balance in Bank of New Zealand, February 23, 1905	19	10	11
	<u>£215</u>	<u>0</u>	<u>7</u>		<u>£215</u>	<u>0</u>	<u>7</u>

Examined and found correct,

W. GORRIE,

February 24, 1905.

Auditor.

T. F. CHEESEMAN,

Treasurer.

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Investments of the Auckland Institute.

I.—COSTLEY BEQUEST.

	£	s.	d.	£	s.	d.
On Mortgage on Freehold Security at 5 per cent.	4,000	0	0			
Government 4 per cent. Debentures	1,900	0	0			
Dunedin Corporation $4\frac{1}{2}$ per cent. Debentures	1,000	0	0			
On Mortgage on Freehold Security at 5 per cent.	350	0	0			
Balance of Loan for erection of Statue Hall	300	0	0			
Waiting Investment	150	0	0			
				7,700	0	0
Invested in Site of Museum	2,500	0	0			
Expended in Erection of Ethnological Hall ...	1,500	0	0			
Expended in Show Cases and Fittings	450	0	0			
				4,450	0	0
Total of Costley Bequest				12,150	0	0

II.—MUSEUM ENDOWMENT.

Government 4 per cent. Debentures	1,700	0	0			
Dunedin Corporation $4\frac{1}{2}$ per cent. Debentures	700	0	0			
On Mortgage on Freehold Security at 5 per cent.	1,300	0	0			
On Mortgage on Freehold Security at 5 per cent.	1,200	0	0			
On Mortgage on Freehold Security at $4\frac{1}{2}$ per cent.	400	0	0			
On Mortgage on Freehold Security at 6 per cent.	400	0	0			
Loan for Purchase of Maori House	161	1	3			
Balance of Newmarket Property	5	11	8			
Waiting Investment	410	18	9			
				6,277	11	8

III.—MACKECHNIE LIBRARY BEQUEST.

On Mortgage on Freehold Security at 5 per cent.	1,500	0	0			
On Mortgage on Freehold Security at 5 per cent.	500	0	0			
				2,000	0	0

IV.—NATHAN BEQUEST.

On Mortgage on Freehold Security at 5 per cent.				100	0	0
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V.—LIFE SUBSCRIPTION ACCOUNT.

On Mortgage on Freehold Security at 5 per cent.	150	0	0			
Deposited in Auckland Savings Bank	35	10	0			
				185	10	0

Total £20,713 1 3

Proportion bearing Interest £16,263 12 5

T. F. CHEESEMAM, Treasurer.

Documents and Securities examined and found in order.

W. GORRIE.

February 24, 1905.

Auditor.

ADDITIONS and DONATIONS

TO THE

Library and Museum.

-
- Parliamentary Papers and Reports; New Zealand Hansard for 1904; New Zealand Statistics; New Zealand Official Year Book; Annual Report of the Department of Agriculture; Hudson's New Zealand Moths and Butterflies; Hudson's New Zealand Neuroptera.—The New Zealand Government.
- Transactions of the New Zealand Institute, vol. 36.—The Manager of the New Zealand Institute.
- Journal of the Polynesian Society, vol. 13.—The Society.
- Annual Report of the Department of Mines, New South Wales.—The Department.
- Journal of the Linnean Society of New South Wales, vol. 28.—The Society.
- Journal and Proceedings of the Royal Society of New South Wales.—The Society.
- Annual Report of the Australian Museum for 1903; Records, vol. 5, parts 2 and 3.—The Australian Museum, Sydney.
- Proceedings of the Royal Society of Victoria.—The Society.
- Proceedings of the Royal Society of Queensland.—The Society.
- The Geelong Naturalist.—The Editor.
- The Science of Man for 1904.—The Editor.
- United States Consular Reports.—The Secretary of State, United States of America.
- Reports of the United States National Museum for 1901, 1902; Proceedings of the United States National Museum, vols. 26, 27; Nutting's American Hydroids, vol. 2; Palmer's Index to the Genera of Mammals; Bulletins No. 51, 52.—The Smithsonian Institution.
- Annual Report of the American Museum of Natural History.—The Museum.
- Annual Report of the Field Columbian Museum; Plantæ Yucatanae, Part II.—The Field Columbian Museum.
- Cook's Habits of the Cotton-boll-Weevil Ant; Kelly's Culture of the Mulberry Silkworm; Proceedings of the Fifteenth Annual Meeting of Economic Entomologists.—The Department of Agriculture, U.S.A.
- Annals of the Observatory of Harvard College, vol. 43.—The Observatory.
- Annual Report of the Bureau of American Ethnology.—The Bureau.
- Fauna Hawaiensis, vol. 1, part 4; vol. 3, part 4; Occasional Papers of the Bishop Museum, vol. 2, parts 1 and 2; Handbook to the Bishop Museum.—The Bishop Museum, Honolulu.
- Publications of the University of California, American Archaeology, vols. 1 and 2.—The University of California.

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- Monthly Bulletin of the Philippine Weather Bureau; Climate of the Philippines; Volcanoes and Seismic Centres of the Philippine Islands; Alque's Cyclones of the Far East.—The Philippine Weather Bureau.
- Report of the Geological Survey of Canada for 1900; White's Altitudes in the Dominion of Canada; Macoun's Catalogue of Canadian Birds, part 5.—The Geological Survey, Canada.
- Monthly Reports of the Geological Institute of Mexico.—The Institute.
- Publications of the Observatory of Rio Janiero for 1903.—The Observatory.
- Catalogue of the Ward-Conley Collection of Meteorites.—Prof. H. A. Ward.
- Proceedings of the Royal Colonial Institute, vol. 35.—The Royal Colonial Institute.
- Various Parts of the Kew Bulletin and Icones Plantarum for 1902-1903.—The Director, Royal Gardens, Kew.
- Symon's Monthly Meteorological Magazine.—The Editor.
- Reports and Other Publications of the Deutsche Seewarte.—The Seewarte.
- Annals of the Meteorological and Magnetic Observatory of Odessa.—The Observatory.
- Wildemann's Flora of Middle and Lower Congo; Studies on the Flora of Congo.—The Congo Museum, Brussels.
- Montague's Rise and Progress of the Standard Oil Company.—Harper Brothers.
- Nicholson's Dictionary of Political Economy, 3 vols.; Marshall's Principles of Economics.—E. V. Miller.

BOOKS PURCHASED.

- Report on the Collections of Natural History made in the Antarctic Regions during the Voyage of the Southern Cross.
- Davie's Methods in the Art of Taxidermy.
- Cambridge Natural History, vol. 7.
- Illustrations of the Botany of Capt. Cook's First Voyage, parts 1 and 2.
- Royal Society's Report on the Borings at the Atoll of Funafuti.
- Hedin's Travels in Thibet, 2 vols.
- J. J. Thomson's Conduction of Electricity through Gases.
- Thorpe's Essays on Historical Chemistry.
- Poynting and Thomson's Text-book of Physics.
- Ramsay's Treatise on Physical Chemistry.
- Castell-Evans' Physico-Chemical Tables.
- Collected Works of G. F. Fitzgerald.
- Schimper's Geography of Plants, English Edition.
- Nicholson's Dictionary of Gardening, vol. 3.
- Various Parts of Engler's Pflanzenreich.
- Reports of the British Association from 1883 to 1894.
- Tryon's Manual of Conchology, vols. 11, 12, 17.
- Hutton's Index Faunæ Novæ Zealandiæ.
- Hutton and Drummond's Animals of New Zealand.
- Percy Smith's Hawaiki, the Original Home of the Maori.
- Tregear's Maori Race.

- Group of Lions (*Felis leo*), Male, Female, and four Cubs.—Purchased out of the Mackechnie Bequest for Large Animals.
- Two Living Specimens of Short-tailed Bat (*Mystacops tuberculatus*).—R. H. Shakespear.
- Skin of Kiwi (*Apteryx Mantelli*).—H. T. Pycroft.
- Skin of Giant Petrel (*Ossifraga gigantea*).—R. Barnes.
- Skin of Spoonbill Duck (*Spatula rhynchotis*).—G. Bloomfield.
- Skin of Long-tailed Cuckoo (*Urodynamis taitensis*).—M. Bouisson.
- Skin of Shining Cuckoo (*Chalcococcyx lucidus*).—W. H. V. Hall.
- Skin of Morepork (*Ninox nova-zealandiae*).—A. Williams.
- Egg of *Apteryx Haastii*.—H. Farrar.
- Eggs of *Nestor notabilis*, *Nesierax nova-zealandiae*, *Porphrio melanotus*, *Ochthodromus obscurus*, *Phalacrocorax punctatus*, *Casarca variegata*.—W. W. Smith, Ashburton.
- Green Lizard (*Naultinus elegans*).—P. V. Bourke.
- Abnormally Coloured Specimen of *Lygosoma Moco*.—G. Clark Walker.
- Young Lizard found in a bunch of bananas from Fiji.—A. W. Robart.
- Water Snake (*Hydrus platurus*), stranded on the West Coast near Dargaville.—E. V. Smith.
- Porcupine Fish (*Dicotylichthys jaculiferus*).—W. J. Moore.
- Ophisurus nova-zealandiae*.—J. Walkden.
- Exocoetus* sp.—G. Bulkeley.
- Squilla sp. from Tahiti.—J. L. Young.
- New Zealand Marine Shells.—Mrs. Snow.
- New Zealand Shells.—J. Webster.
- Land Crabs from the Kermadec Islands.—Capt. Bollons.
- Sphinx Convolvuli*.—A. Borrer.
- Hepialus virescens*.—Mrs. Singer.
- Auriferous Specimens from Kalgoorlie, West Australia.—T. Leggat.
- Minerals and Ethnological Specimens (14) from California.—Exchange from the Golden Gate Memorial Museum, San Francisco.
- Large Collection of English Fossils and Minerals.—Exchange from the Warwick Museum, England.
- 26 Neolithic Flint Knives, Arrow Heads, Stone Axes, Weights etc., from various localities in Italy; 2 Bronze Axes; and 2 Knuckle-dusters of Etruscan Age.—In exchange from the Florence Museum.
- Maori Sandals.—G. Graham.
- Maori Stone Axes and Fishing Weights.—P. Black.
- Maori Stone Axes.—A. Petit.
- Samples of Kokowai.—Arama Riripotaka.
- Antique Bone Weapon of unusual shape.—Purchased.
- Various Bone and Greenstone Ornaments.—Purchased.
- Four Models of Kotaha, or Throwing Sticks.—Carved from plaster casts taken from originals in the British Museum.
- Two Large Food Bowls from the Solomon Islands.—Purchased.
- 67 Ancient Silver and Copper Persian Coins, many of them of Greek age.—C. E. Tisdall.
- 2 Silver Coins.—P. Black.
- Silver Coin.—A. French.

LIST OF MEMBERS

For the Year ending March 31st, 1905.

*Honorary and Life Members distinguished thus *.*

Adams, J., B.A., Thames
Aickin, G., Auckland
Arnold, C., Auckland
Aubin, E. D., M.B., Thames

Bagnall, L. J., Auckland
Bakewell, R. H., M.D., Auckland
Ball, W. T., Auckland
Bankart, A. S., Auckland
Bartley, E., Devonport
*Bates, T. L., Newcastle, N.S.W.
Batger, J., Auckland
Beere, D. M., C.E., Auckland
Best, Elsdon, Te Whaiti
Brett, H., Auckland
Broun, Captain T., F.E.S., Drury
Brown, Prof. F. D., Auckland
Brown, J., Epsom
Buchanan, J., Auckland
Burgess, E. W., Devonport
*Burton, Colonel, Lake Takapuna
Busck, A., Auckland

Cameron, R., Auckland
Campbell, H., Auckland
*Campbell, Sir J. L., M.D., Auckland
Carey, M. F., Auckland
Carnie, A. R., Auckland
Carr, R. A., Auckland
Casey, M., Auckland
Cheal, P. E., Auckland
Cheeseman, T. F., F.L.S., Auckland
Cheeseman, H. H., M.R.C.S., Coromandel

Ching, T., Remuera
Clark, H. C., Auckland
Clark, M. A., Auckland
Clarke, E., Auckland
Cochrane, W. S., Auckland
Coombes, F. H., Auckland
Cooper, C., Auckland
Cooper, Mr. Justice, Wellington
Cozens, G., Auckland
Craig, J. J., Auckland
Crosher, W., Auckland
Cummings, H., Auckland

Dannefaerd, S., Auckland
Darby, P., Auckland
Duthie, D. W., Auckland
Edson, J., Devonport
Egerton, Prof. C. W., Auckland
Ewington, F. G., Auckland

Farmer, J., London
Florance, R. S., Russell
*Fowlds, G., M.H.R., Auckland
Fox, C. H., Norfolk Island
Frengley, J. P., M.D., Auckland

George G., Auckland
Gilbert, T., Parnell
Girdler, Dr., Auckland
Goldie, D., Auckland
Gordon, H. A., Auckland
Gorrie, W., Auckland
Gray, S., Auckland

Haines, C. H., M.D., F.R.G.S., London
Haines, H., F.R.C.S., Auckland
Hamer, J. H., C.E., Auckland
Hardie, J., Auckland
Hazard, H. D. M., Thames
Henton, J. S., Auckland
Henry, J., Auckland
Henry, W., Auckland
Herbert, T., Parnell
Howden, J., Auckland
Howell, J. H., B.Sc., Auckland
Hunter, A. J., Parnell

Johnson, H. D., Te Aroha
Jones, H. W., Papakura

Kenderdine, J., Auckland
Kidd, A., M.H.R., Auckland
Kirker, J., Auckland
*Kitt, T. W., London
Kronfeld, G., Auckland

Larner, V. J., Auckland
Lennox, J. M., Auckland

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*Lennox, W. G., Sydney
Leys, T. W., Auckland
Lundon, J. R., Auckland
Lyell, W. S., Parnell

McMillan, C. C., Auckland
Mahoney, T., Auckland
Mair, Captain G., Thames
Mair, S. A. R., Rangitikei
Mair, Major W. G., Auckland
Martin, J., F.G.S., Auckland
Masefield, T. T., Auckland
McLean, M., Auckland
McDowell, W. C., M.B., Auckland
McLachlan, J. M., Auckland
Miller, E. V., Chelsea
Moody, T. P., Hikurangi
Morton, H. B., Auckland
Mueller, G., Auckland
Mulan, A. K., Auckland
Munro, G. C., Sandwich Islands
Murdoch, D. L., Auckland
Myers, A. M., Auckland

Nathan, L. D., Auckland
Neil, J. H., Auckland
Nicholson, O. R., Auckland

Pabet, Dr., Auckland
Parker, W. F., Auckland
Partridge, H. E., Auckland
Patterson, G. W. S., Auckland
Peacock, T., Auckland
Petrie, D., F.L.S., Auckland
Philcox, W., Devonport
Pinfold, Rev. J. T., F.G.S., Parnell
Pond, J. A., Auckland
Purchas, Rev. A. G., M.R.C.S.,
Auckland
Purdie, E. C., Auckland
Pycroft, H. T., Auckland

Reid, J., Auckland
Robertson, E., M.D., Auckland

Seegner, C., Auckland
Segar, prof. H. W., Auckland
Shakespear, R. H., Little Barrier
Shaw, H., Auckland
Sinclair, A., Auckland
Smith, H. G. S., Auckland
Smith, S. P., F.R.G.S., Taranaki
Smith, T. H., Auckland
Speight, W. J., Auckland
Spencer, W. C. C., Auckland
Stewart, J., C.E., Auckland
Stopford, R., M.D., Auckland
Streeter, S. C., Auckland
Suter, H., Auckland

Talbot-Tubbs, Prof H. A., Auckland
Tewesley, H. C., Auckland
Thomas, Prof. A. P. W., F.L.S.,
Auckland
Thompson, F. K., Auckland
Tibbs, J. W., Auckland
*Timne, H., London
Turner, E. P., Auckland

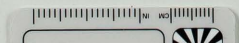
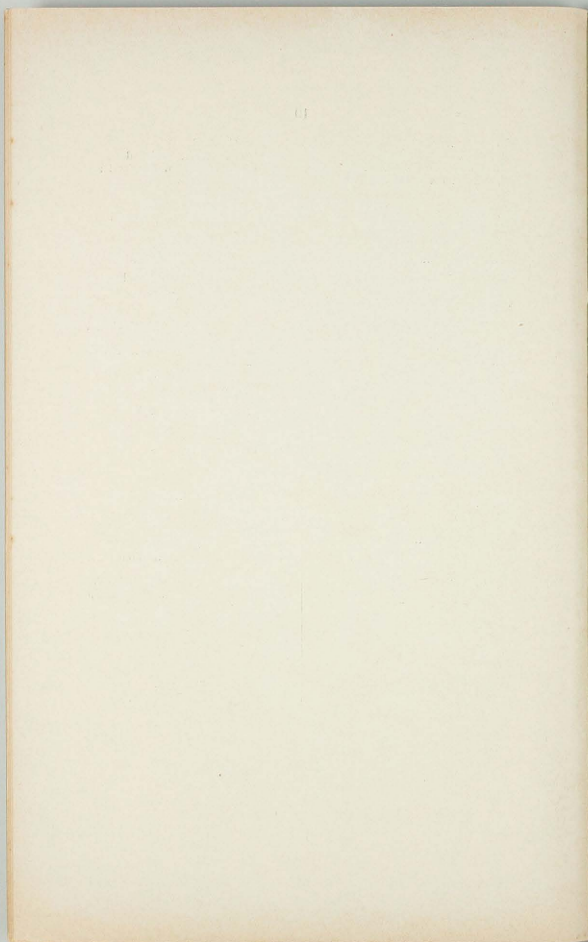
Upton, J. H., Auckland
Urquhart, A. T., Karaka

Vaile, E. E., Auckland

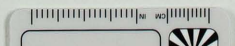
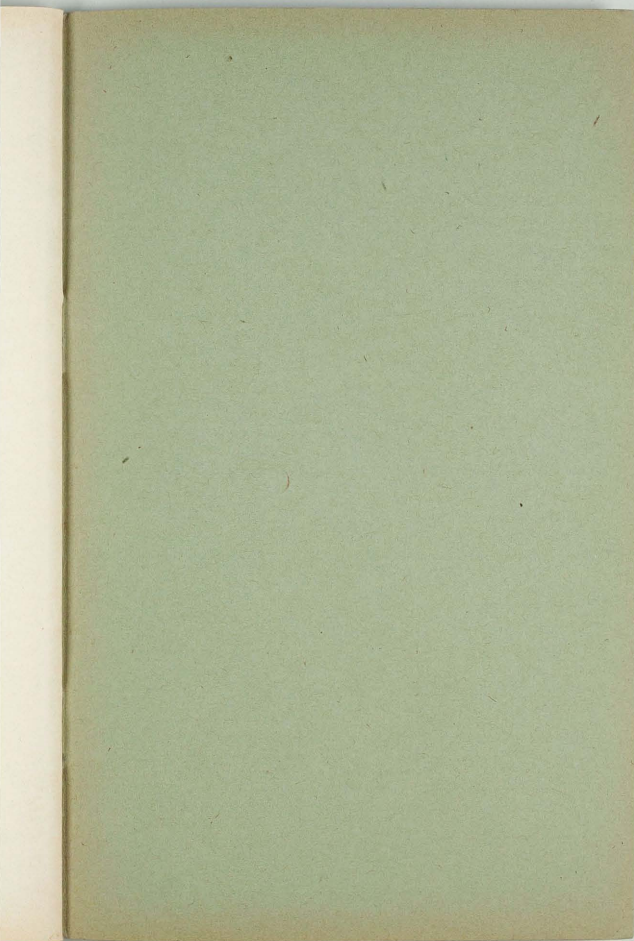
Walsh, Archd. P., Waimate
Waterworth, A., Auckland
Ward, P., Auckland
Webster, J., Hokianga
Webster, Rev. W., Waiuku
*Weetman, S. F.R.G.S., London
Will, W., Auckland
Williams, T. O., L.R.C.P., Auckland
Williams, Right Rev. W. L., Bishop
of Waipatu, Napier
Wilson, A. P., Auckland
Winter, N. A., Onehunga
*Withy, E., Opotiki
Wrigg, A. A., C.E., Auckland

Yates, E., Auckland
Young, J. L., Auckland

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